

AMENDMENTS IN THE SPECIFICATION:

Please amend the title of the application as follows: ~~OPTICAL SENSOR~~ LIGHT DETECTION
DEVICE

Please replace paragraph 0023 with the following amended paragraph:

A diffraction grating 29 is formed on a part of core part 21 of optical fiber 20. Thus from within a light signal, just the wavelength component that is desired to be measured can be selected. Also, a light shielding cladding 22 is formed on the periphery of optical fiber 20. The leakage of the light signal inside optical fiber 20 to the exterior and the intrusion of external light outside optical fiber 20 into the interior can thereby be prevented. An FC type optical fiber connector 70 (or SMA type optical fiber connector, etc., instead) is attached to end part 24 of optical fiber 20 at the opposite side of end part 25. Though photocathode 30 is formed on just core part 21 of end face 27, it may be formed instead on core part 21 and clad layer 23 of end face 27.